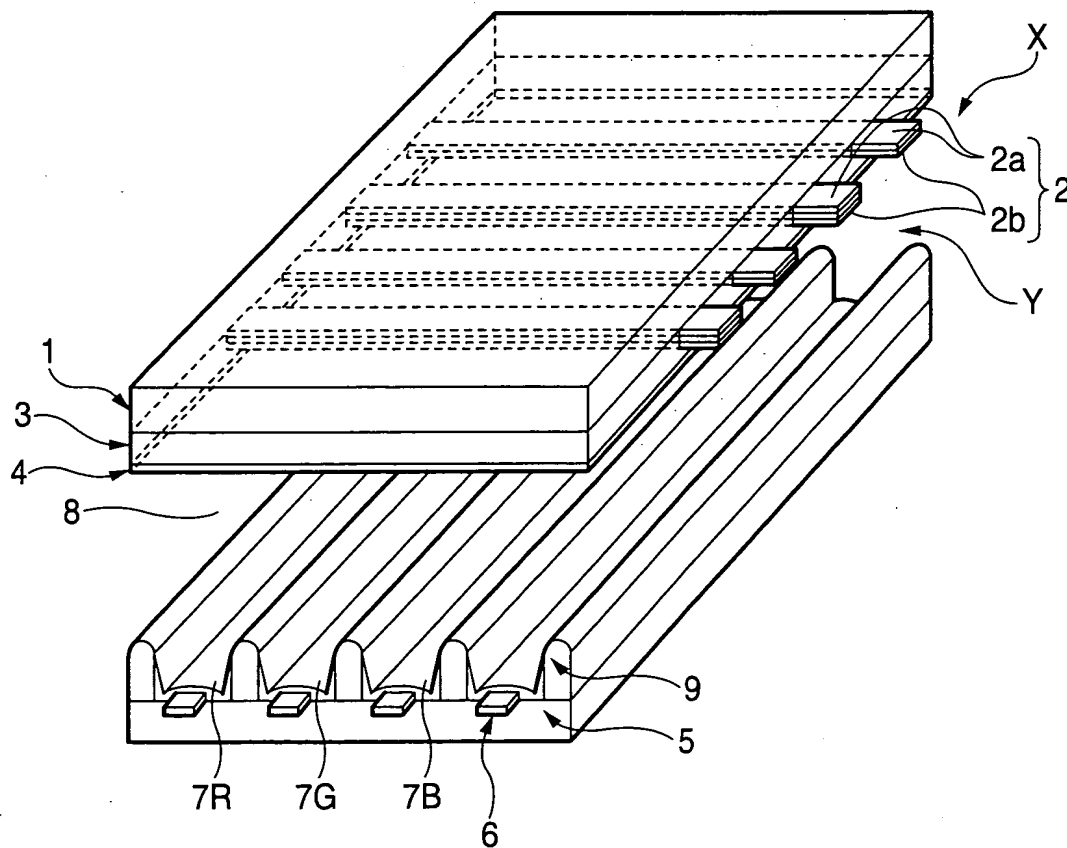




FIG. 1  
PRIOR ART



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FIG. 2  
PRIOR ART

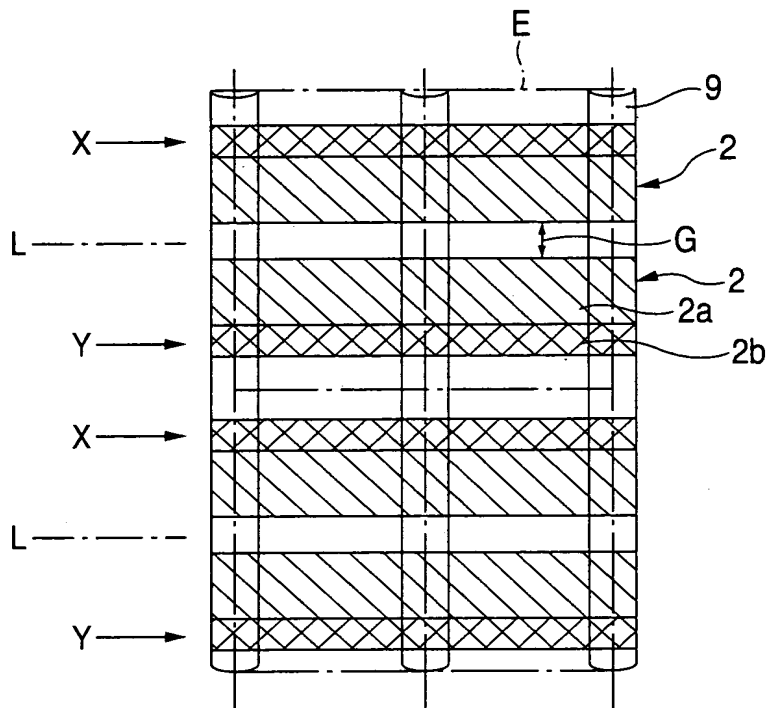


FIG. 3  
PRIOR ART

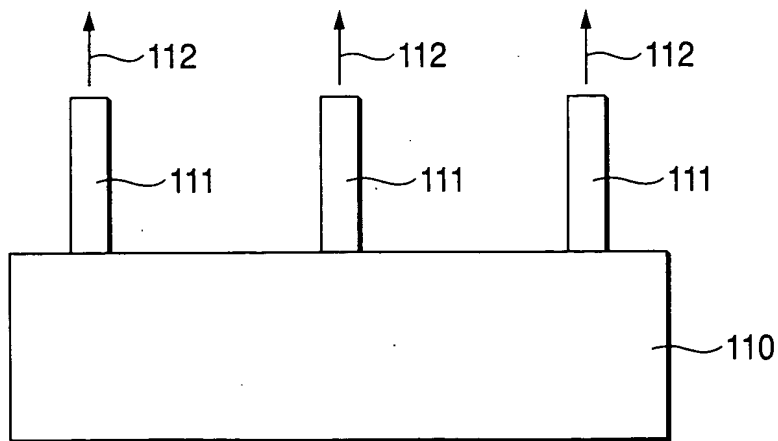


FIG. 4

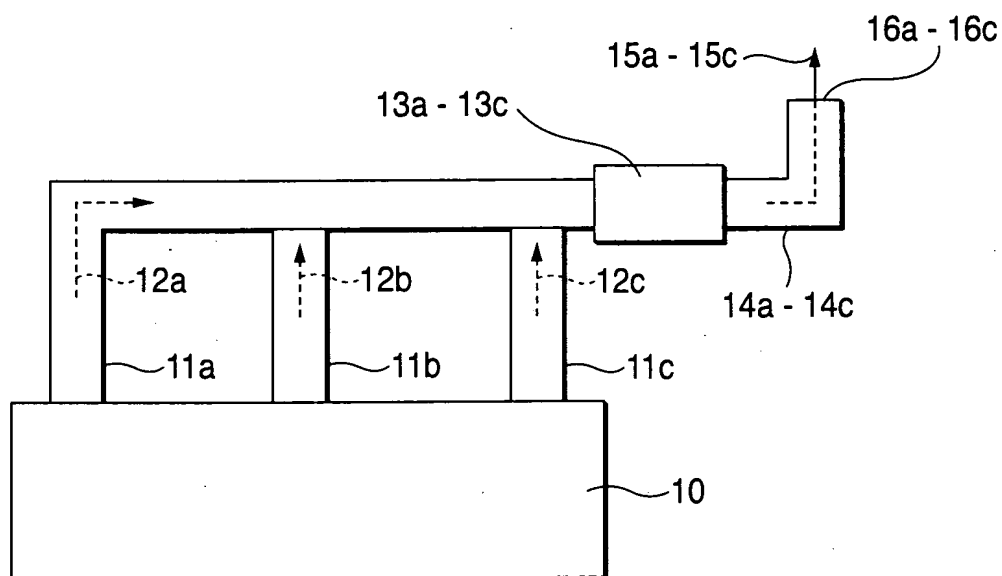


FIG. 5

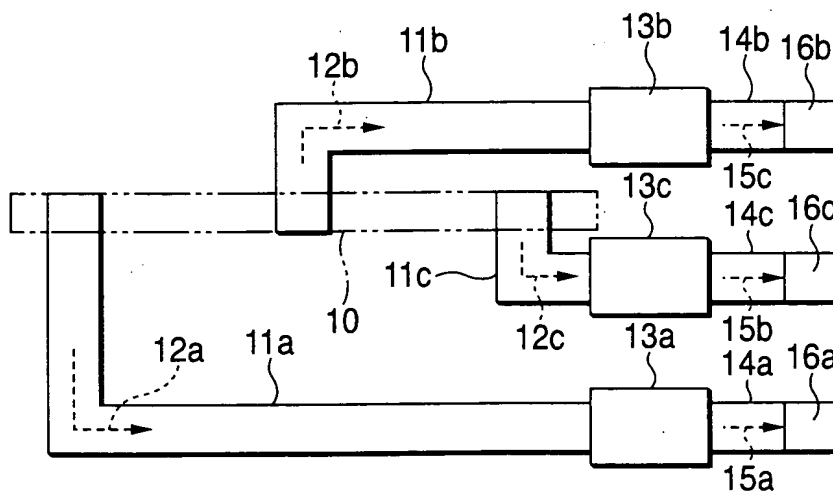


FIG. 6

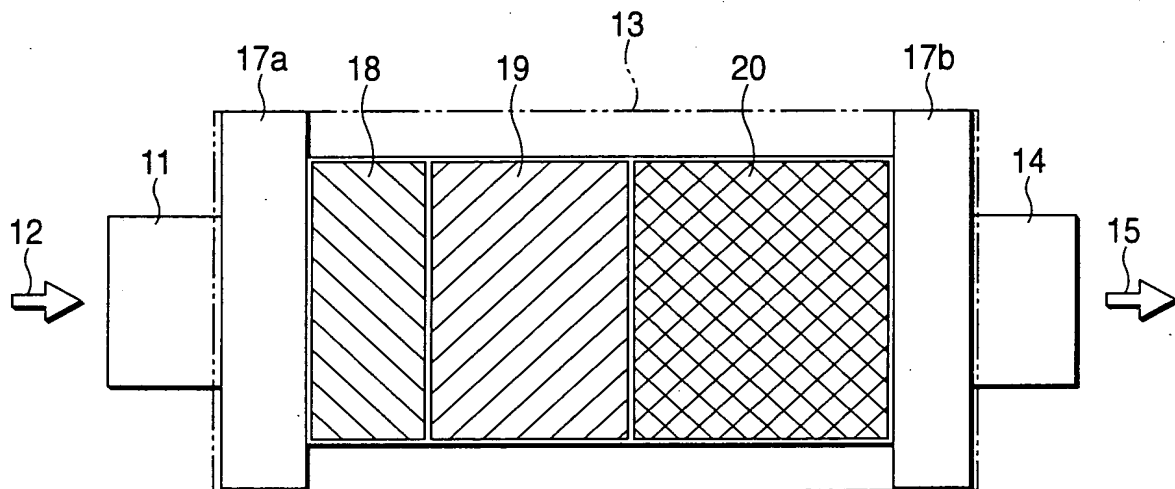
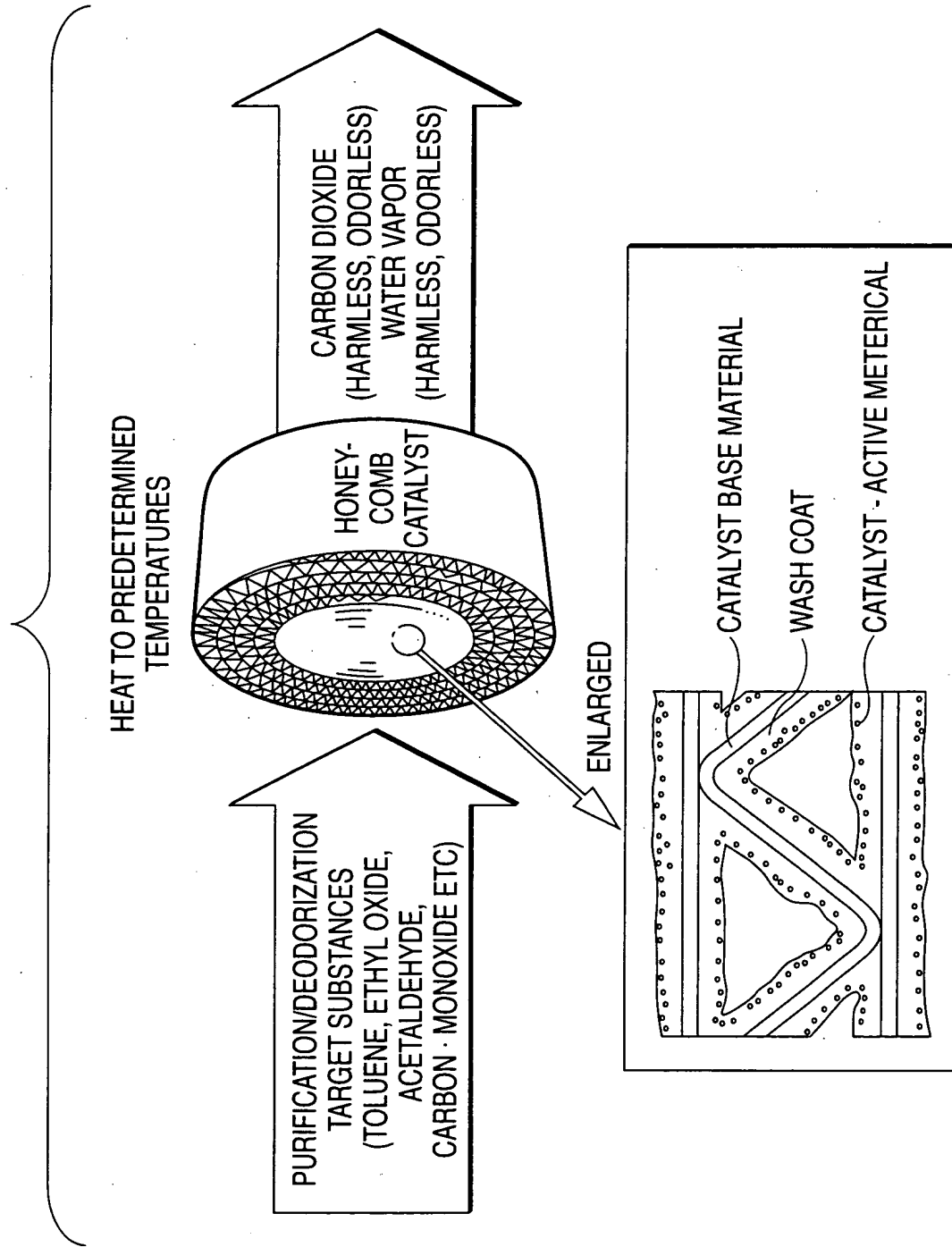


FIG. 7



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FIG. 8 (a)

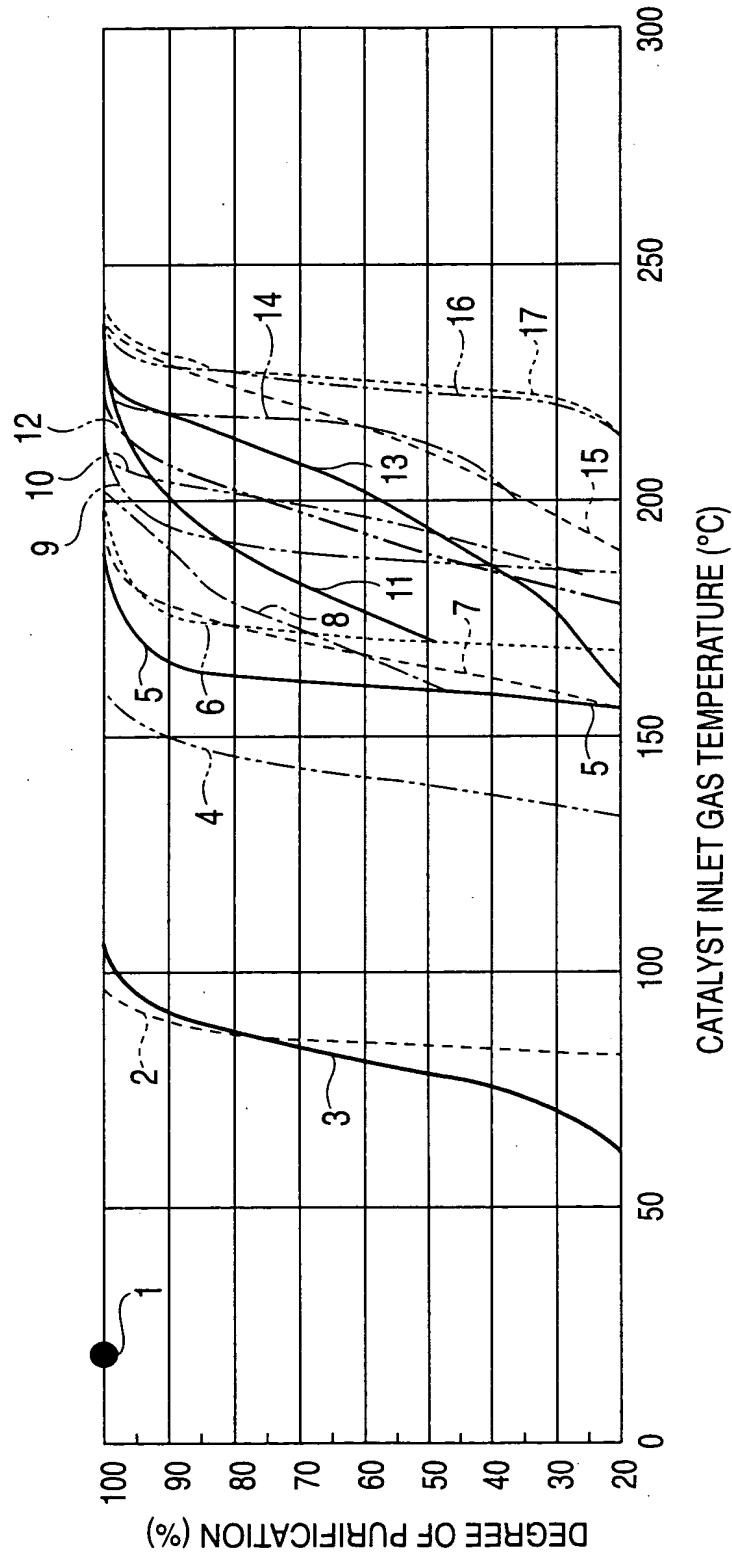
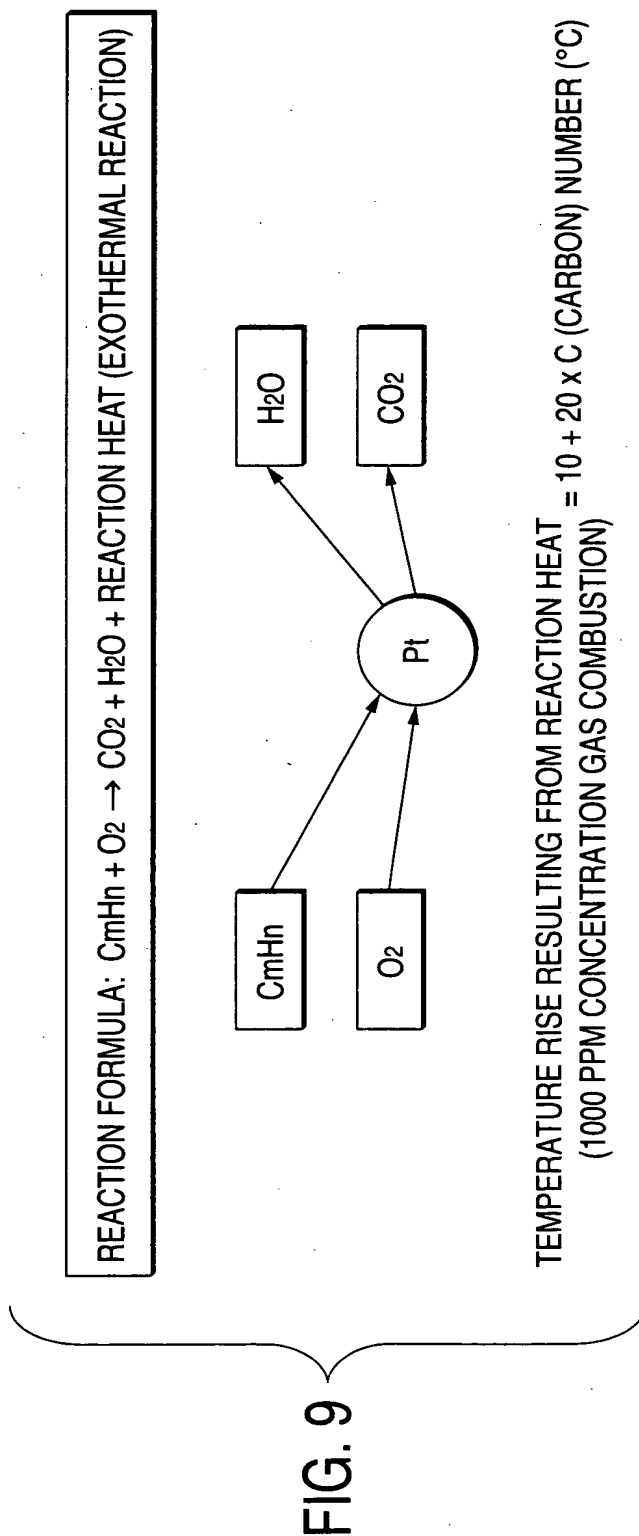


FIG. 8 (b)

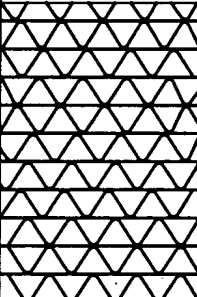
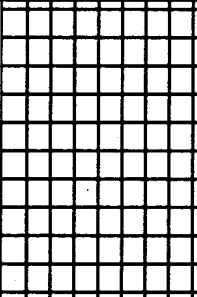
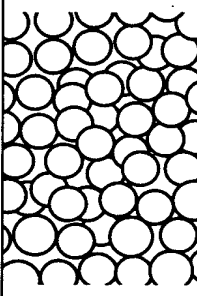
NO.	SUBSTANCE NAME	CHEMICAL FORMULA	CONCENTRATION (ppm)	SPACE VELOCITY (h <sup>-1</sup> )
1		H <sub>2</sub>	1%	60,000
2		CO	1,000	60,000
3		CH <sub>3</sub> OH	100	30,000
4		C <sub>2</sub> H <sub>4</sub>	5,000	60,000
5		C <sub>6</sub> H <sub>10</sub> O	550	60,000
6		C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub>	550	60,000
7		C <sub>2</sub> H <sub>5</sub> COCH <sub>3</sub>	650	60,000
8		(CH <sub>3</sub> ) <sub>2</sub> S	10	30,000
9		C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub>	550	60,000
10		NH <sub>3</sub>	300	30,000
11		(CH <sub>3</sub> ) <sub>3</sub> N	30	30,000
12		CH <sub>3</sub> CHO	140	30,000
13		C <sub>2</sub> H <sub>5</sub> OH	300	30,000
14		CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> OH + C <sub>6</sub> H <sub>5</sub> OH	660 + 440	60,000
15		(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> N	300	30,000
16		CH <sub>3</sub> COOH	100	30,000
17		HCON(CH <sub>3</sub> ) <sub>2</sub>	740	60,000





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FIG. 10

CATALYST TYPE	METAL HONEYCOMB CATALYST	CERAMIC HONEYCOMB CATALYST	PELLET CATALYST
CATALYST TYPE			
BASIC COMPOSITION	Fe-Cr-Al	SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -MgO	Y-Al <sub>2</sub> O <sub>3</sub>
COEFFICIENT OF HEAT CONDUCTIVITY	LARGE	SMALL	SMALL
FILLED SPECIFIC GRAVITY	0.4 TO 0.6	0.6 TO 0.7	0.4 TO 0.8
HEAT CAPACITY	SMALL	MODERATE	LARGE
STANDARD SV VALUE	30,000 TO 60,000 h <sup>-1</sup>	20,000 TO 40,000 h <sup>-1</sup>	10,000 TO 30,000 h <sup>-1</sup>
PRESSURE LOSS (*)	5.5	7.1	41.5
MECHANICAL STRENGTH	STRONG	WEAK	MODERATE
THERMAL SHOCK RESISTANCE	STRONG	WEAK	MODERATE

(\*: MEASURED VALUE UNDER AN ATMOSPHERE OF 200°C AND 1 Nm/s.)